PRODUCT DATA SHEET

2200

MODEL 2233 LINE PRINTER

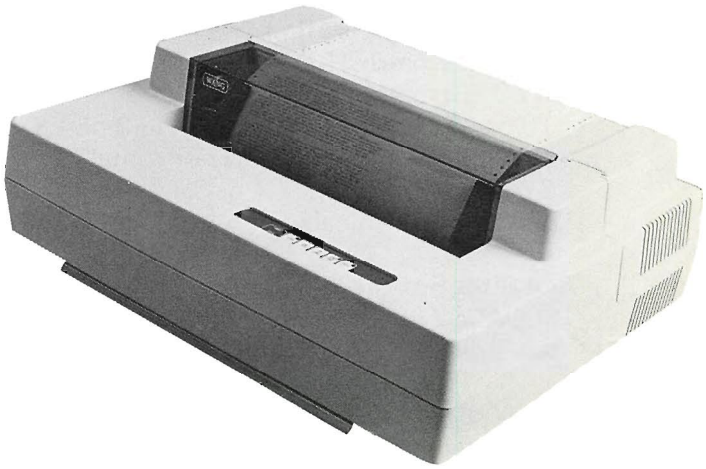
The Model 2233 Line Printer is a bidirectional matrix printer that utilizes free-flight head technology to provide low cost, high-quality, reliable output for the 2200 series product line. The printer is encased in an attractive, streamlined cabinet lined with acoustic material to enable quiet operation.

The Model 2233 Line Printer uses either a 9 x 9 dot matrix or a 7 x 9 dot matrix to print a full ASCII set of 96 characters, producing a 132-character line (10-pitch) and a 158-character line (12.2-pitch). It generates copy with six or eight lines per inch, printing 100 10-pitch characters per second (cps), and 120 12.2-pitch cps. The Model 2233 also provides a fast tabbing feature that speeds throughput when zones of five character positions or more are skipped.

Standard features include FORM OVERRIDE, LINE FEED, CLEAR, and TOP OF FORM switches, and Power On, Paper Out, MALFUNCTION, and SERVO Fuse indicator lamps. A SELECT switch places the printer in the ready position to receive data from a 2200 series Central Processing Unit and allows printing to be halted temporarily without loss of data. A Forms Thickness lever adjusts the print head carriage to vary print intensity; a separate Print Head Retraction lever facilitates ribbon replacement and paper insertion without dislocating the print intensity setting. Other features include frontload and bottomload paper feed, forms-tractor paper advance, an audio alarm, and a full-line character buffer.

Printer control is completely programmable with an extensive selection of control codes. An electronic Direct Access Vertical Format Unit (DAVFU) can be loaded under program control to establish the vertical format. The DAVFU utility is standard on all 2200 series operating systems.

- **Cost-Effective, Bidirectional Matrix Printer**
- **New Technology Print Head**
- **Six or Eight Lines per Inch (Vertically)**
- **Direct Access Vertical Format Unit**
- **Programmable 10- and 12.2-Pitch Selection**
- **Expanded Print and Underscore Capabilities**



12.2-Pitch Character Set

```
 !"#$%&'()*+,-./
0123456789:;<=>?
@ABCDEFGHIJKLMNO
PQRSTUVWXYZ[\]↑_
`abcdefghijklmno
pqrstuvwxyz{|}~
EXPANDED
PRINT
```

10-Pitch Character Set

```
 !"#$%&'()*+,-./
0123456789:;<=>?
@ABCDEFGHIJKLMNO
PQRSTUVWXYZ[\]↑_
`abcdefghijklmno
pqrstuvwxyz{|}~
EXPANDED
PRINT
```

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Other codes permit the following functions: highlighted printing (expanded print and underscore), full and partial line feeds, vertical line density of six or eight lines per inch, carriage return, form feed, and pitch selection.

MODEL 2233 LINE PRINTER SPECIFICATIONS

Size

Height . . . . . 9.5 in. (24.1 cm)
Height (with stand) . . . . . 36.8 in. (93.5 cm)
Depth . . . . . 20.9 in. (53.1 cm)
Depth (with stand) . . . . . 36.0 in. (91.4 cm)
Width . . . . . 27.0 in. (68.6 cm)

Weight

68.0 lb (30.8 kg)

Speed

120 cps (12.2-pitch)
100 cps (10-pitch)

Character Configuration

7 x 9 dot matrix (12.2-pitch)
9 x 9 dot matrix (10-pitch)
10 or 12.2 characters per inch (3.9 or 4.8 characters per centimeter) horizontally
6 or 8 lines per inch (2.4 or 3.1 lines per centimeter) vertically

Character Set

Full ASCII 96 characters, both uppercase and lowercase

Line Width

132 characters per line (10-pitch)
158 characters per line (12.2-pitch)

Ribbon

Cartridge ink ribbon, recirculating

Switches/Indicators

ON/OFF, SELECT, FORM OVERRIDE, CLEAR, TOP OF FORM, and LINE FEED switches; Paper Out, Power On, Servo Fuse, Malfunction, and Select indicators

Programmable Control Fuctions

Automatic Line Feed/Line Feed Size Control, Line Feed, Partial Line Feed, Underscore, Expanded Print, Audio Alarm, Carriage Return, Delete, Diagnostic Test, Power-On-Reset, Select Character Font, Select Pitch, Top-of-Form, Load DAVFU, Vertical Skip, Vertical Tab

Cable

12 ft (3.66 m) cable with connector to CPU

Controller

Standard Wang Printer/CPU Interface

Power

115 or 230 VAC ± 10%
50 or 60 Hz ± 1 Hz
0.8 amps, 92 watts

Fuses

3.0 amp (SB) for 115 VAC
1.5 amp (SB) for 230 VAC
2.5 amp (SB) for DC carriage motor

Operating Environment

50° F to 90° F (10° C to 32° C)
35% to 65% relative humidity, noncondensing

Accessories

Optional stand (Model 8005-5)

PAPER SPECIFICATIONS

Paper Size

Maximum width . . . . . 14.9 in. (37.8 cm)
Minimum width . . . . . 3.5 in. (8.9 cm)
Maximum number . . . . five copies plus original

Paper Stock

Material . . . . . margin-perforated, fan-fold card or paper stock
Single part forms . . . . . 15- to 20-lb bond
Multipart forms
2 ply . . . . . 15 x 15-lb bond, 7-lb carbon
3 ply . . . 15 x 12 x 15-lb bond, 7-lb carbon

4 ply . . . . . 12 x 12 x 12 x 15-lb bond, ... 7-lb carbon
5 ply . . . . . 12 x 12 x 12 x 12 x 15-lb bond, 5-lb carbon
6 ply . 12 x 12 x 12 x 12 x 12 x 15-lb bond, 5-lb carbon

Forms Length (Continuous Forms Paper)

Maximum . . . . . 24 in. (61 cm)
Minimum . . . . . 1 line

Forms Thickness

Maximum in print area . . 0.018 in. (0.046 cm)
Over crimps in margin . . 0.030 in. (0.076 cm)

Sprocket Holes

Must run along both margins 0.25 ± 0.03 in. (0.64 ± 0.076 cm) from the paper edge to hole center lines.

Distance between hole centers must be 0.5 ± 0.005 in. (1.27 ± 0.013 cm), nonaccumulative in any 5 in. (12.7 cm) length.

Hole diameters must be 0.156 ± 0.005 in. (0.396 ± 0.013 cm); the two top and bottom drive holes (four per sheet) can be up to 0.2 in. (0.51 cm) in diameter to permit post or ring binding of output.

Distance between hole centers across the sheet must be uniform within 0.015 in. (0.038 cm) to a maximum of 14.37 in. (36.50 cm).

When using preprinted forms, the pinhole center in the left margin cannot be less than 0.375 ± 0.063 in. (0.953 ± 0.159 cm); the pinhole center in the right margin cannot be less than 0.375 ± 0.063 in. (0.953 ± 0.159 cm).

Fastening Multipart Forms

For improved forms handling, use glued margins; otherwise, fasten with crimps every 2 in. (5.1 cm) along both edges.

Crimps must not come closer than 0.5 in. (1.3 cm) to the fanfold; each crimp must have four prongs, two to enter both form and carbon, and two to enter forms only.

When using forms with wide and narrow copies in the same set, the top copy should be the widest.

ORDERING SPECIFICATIONS

A bidirectional matrix printer providing complete alphanumeric printing capability to the Wang 2200 series product line. It must print at a rate of 120 cps (12.2-pitch) and 100 cps (10-pitch). 10-pitch characters must be printed in a 9 x 9 dot matrix or a 7 x 9 dot matrix; 12.2-pitch characters must be printed in a 7 x 9 dot matrix. The printer must produce a full 96-character ASCII set in both 10- and 12.2-pitch with both uppercase and lowercase characters. It must print in expanded sizes and respond to ASCII control codes. It must also respond to a series of format and function control codes and all printable characters must be fully programmable. It must print a 132-character (10-pitch) or 158-character (12.2-pitch) line at six or eight lines per inch and have a full-line buffer.

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